PTO/SB/08A (10-96)
proved for use through 10/31/99. OMB 0651-0031
Patent and Thidemark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO **Application Number** 10/010,720 INFORMATION DISCLOSURE November 13, 2001 Filing Date TATEMENT BY APPLICANT Walke **OFirst Named Inventor** 1645 1652 Group Art Unit Not Yet Assigned MonshipourTi **Examiner Name** LEX-0382-USA of Attorney Docket Number

Silect	<u> </u>			Anomey bocker no		00 00		
CAST	U.S. PATENT DOCUMENTS							
Examiner Cite		е	Document Kind Code ²	Name of Patentee or Applicant	Date of Publication of cited Document	Peges, Columns, Lines Where Relevant		
Initials*	No	.' Number	(if known)	of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear		
بو. بو	. AA	4,190,496	,	Rubenstein et al	02/26/80			
	AB	4,215,051		Schroeder et al	07/29/80			
	AC	4,376,110		David et al	03/08/83			
	AD	4,594,595		Struckman	06/10/86			
	ΑE	4,631,211		Houghten	12/23/86			
	AF	4,683,195		Mullis et al	07/28/87			
	AG	4,683,202		Mullis	07/28/87			
	AH	4,689,405		Frank et al	08/25/87			
	Al	4,713,326		Dattagupta et al	12/15/87			
	AJ	4,800,159		Mullis et al	01/24/89			
	AK	4,873,191		Wagner et al	10/10/89			
	AL	4,946,778		Ladner et al	08/07/90			
	AM	1 5,075,217		Weber	12/24/91			
	ĄN	5,252,743		Barrett et al	10/12/93			
	AO	5,272,057		Smulson et ai	12/21/93	Br		
	AP	5,283,173		Fields et al	02/01/94			
	AO	5,364,759		Caskey et al	11/15/94			
	AR	5,424,186		Fodor et al	06/13/95			
	AS	5,445,934		Fodor et al	08/29/95			
	AT	5,459,127		Felgner et al	10/17/95			
	AU	5,464,764		Capecchi et al	11/07/95			
	AV	5,468,614		Fields et al	11/21/95			
	AV	5,487,992		Capecchi et al	01/30/96			
	AX	5,491,084		Chalfie et al	02/13/96			
	AY	5,556,752		Lockhart et al	09/17/96			
	AZ	5,625,048		Tsien et al	04/29/97			
	BA	5,627,059		Capecchi et al	05/06/97			
	BB	5,631,153		Capecchi et al	05/20/97			
	ВС	5,667,973		Fields et al	09/16/97			
	BD	5,700,637		Southern	12/23/97			
	BE	5,744,305		Fodor et al	04/28/98			
	BF	5,777,079		Tsien et al	07/07/98			
	BG			Berns et al	08/04/98			
	ВН			Seed et al	08/18/98			
	BI	5,804,387		Cormack et al	09/08/98			
	BJ			Stemmer et al	11/03/98			
	ВК			Minshull et al	11/17/98			
	BL			Zolotukhin et al	02/23/99			
	BN			Lonberg et al	03/02/99			
	BN			Scheule et al.	09/07/99			
	BC			Thastrup et al	09/28/99			
	BP			Zolotukhin et al	10/19/99			
	BC			Szalay et al	11/02/99			
19.4	R. BF			Muzvczka et al	02/01/00			

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Company of Known					
Application Number	10/010,720				
Filing Date	November 13, 2001				
OFirst Named Inventor	Walke				
Group Art Unit	1845 1652				
Examiner Name	Not Yet Assigned Monshipoun				
Attorney Docket Number	LEX-0382-USA				

(use as many sheets as necessary)

et 2 of 4

	% -				LIC DATEST DOCUMEN	TC	
-			U.S. Patent Document		U.S. PATENT DOCUMENTS	1	Pages, Columns, Lines,
Exa	Miler Is	Cite No.1	Number	Kind Code² (if known)	Or Onco Document	Date of Publication of cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear
re.	٠ ٩٠	BS	6,027,881		Pavlakis et al	02/22/00	
		вт	6,054,321		Tsien et al	04/25/00	
		BU	6,075,181		Kucherlapati et al	06/13/00	Ö
Г		в٧	6,087,555		Dunstan et al	07/11/00	
		BW	6,096,865		Michaels	08/01/00	m 2 C
	П	вх	6,110,490		Thierry	08/29/00	
		BY	6,136,566		Sands et al	10/24/00	H 60 11
		BZ	6,139,833		Burgess et al	10/31/00	<u> </u>
	T	CA	6,146,826		Chalfie et al	11/14/00	00 00 II
		СВ	6,150,584		Kucherlapati et al.	11/21/00	280
		СС	6,172,188		Thastrup et al	01/09/01	<u> </u>
		CD	6,207,371		Zambrowicz et al	03/27/01	
u.	Q.	CE	6,265,548		Pavlakis et al	07/24/01	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
ત્ત્વ ત	CF	Askew et al, 1989, "Molecular Recognition with Convergent Functional Groups, 6. Synthetic and Structural Studies with a Model Receptor for Nucleic Acid Components", J. Am. Chem. Soc. 111:1082-1090.				
rene.	CG	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.				
10.16.	СН	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.				
72.rc.	CI	Brisson et al, 1984, "Expression of a bacterial gene in plants by using a viral vector", Nature 310:511-514.				
re.re.	cı	Broglie et al, 1984, "Light-Regulated Expression of a Pea Ribulose-1,5-Bisphosphate Carboxylase Small Subunit Gene in Transformed Plant Cells", Science 224: 838-843.				
R.19.	СК	Chien et al, 1991, "The two-hybrid system: A method to identify and clone genes for proteins that interact with a protein of interest", Proc. Natl. Acad. Sci. USA 88:9578-9582.				
٦٤.٦٤٠	CL	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.				
بو ر د.	СМ	Coruzzi et al, 1984, "Tissue-specific and light-regulated expression of a pea nuclear gene encoding the small subunit of ribulose-1,5-bisphosphate carboxylase", EMBO Journal 3(8):1671-1679.				
بو ہے.	CN	Cote et al, 1983, "Generation of human monoclonal antibodies reactive with cellular antigens", PNAS 80:2026-2030.				
10. re.	со	Gautier et al, 1987, "α-DNA IV:α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physiochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.				
p.19.	СР	Gordon, 1989, "Transgenic Animals", International Review of Cytology, 115:171-229.				
re.re.	co	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.				
12·14·	CR	Gu et al, 1994, "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting", Science 265:103-106.				

Examiner Signature 12. Planship	Date Considered	9/27/04

PTO/SE/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Substitute for form 1449B/PTO Complete if Known 10/010,720 Applicati n Number **INFORMATION DISCLOSURE** Filing Dat November 13, 2001 STATEMENT BY APPLICANT

4

(use as many sheets as necessary)

of

Walke **First Named Inventor** Group Art Unit 1845 1652 Not Yet Assigned Monshipour Examiner Name LEX-0382-USA Attorney Docket Number

			<u> </u>
3		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
p.re	cs	Gurley et al, 1986, "Upstream Sequences Required for Efficient Expression of a Soybean Heat Shock Gene", Mol. & Cell. Biology 6(2):559-565.	
M.H.	СТ	Houghten et al, 1991, "Generation and use of synthetic peptide combinatorial libraries for basic research and drug discovery", Nature 354:84-86.	
18.18.	CU	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.	
њч.	CV	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single- chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.	
1.6.16.	cw	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and R Nase H", FEBS Letters 215(2):327-330.	
16.16.	СХ	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.	
19.19.	CY	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.	
rl.7°.	CZ	Irwin, 1968, "Comprehensive Observational Assessment: Ia. A Systematic, Quantitative Procedure for Assessing the Behavioral and Physiologic State of the Mouse", Psychopharmacologia (Berl.) 13:222-257.	
16.16.	DA	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS 88:8972-8976.	
18.18.	DB	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.	
·e+e.	DC	Krege et al, 1995, "A Noninvasive Computerized Tail-Cuff System for Measuring Blood Pressure in Mice", Hypertension 25(5)1111-1115.	
1e.1e.	DD	Lakso et al, 1992, "Targeted oncogene activation by site-specific recombination in transgenic mice", Proc. Natl. Acad. Sci. USA 89:6232-6236.	
12.12.	DE	Lam et al, 1991, "A new type of synthetic peptide library for identifying ligand-binding activity", Nature 354:82-84.	
16.1C.	DF	Lavitrano et al, 1989, "Sperm Cells as Vectors for Introducing Foreign DNA into Eggs: Genetic Transformation of Mice", Cell 57:717-723.	
pere.	DG	Lewis et al, 1989, "Automated site-directed drug design: the concept of spacer skeletons for primary structure generation", Proc. R. Soc. Lond B236:125-140.	
RR.	DH	Lewis et al, 1989, "Automated site-directed drug design: the formation of molecular templates in primary structure generation", Proc. R. Soc. Lond. B 236:141-162.	
1C. 8.	DI	Lo, 1983, "Transformation by tontophoretic Microinjection of DNA: Multiple Integrations without Tandem Insertions", Mol. (Cell. Biology 3(10):1803-1814.	•
18. L 8.	DJ	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.	
H. H.	DK	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster aprt Gene", Cell 22:817-823.	
€ ત€	DL	Luo et al, 1997, "Mammalian Two-Hybrid System: A Complementary Approach to the Yeast Two-Hybrid System", BioTechniques 22:305-352.	
×.12.	DM	McKinlay et al, 1989, "Rational Design of Antiviral Agents", Алпи. Rev. Pharmacol. Toxicol. 29:111-122.	_
14.19.	DN	Morrison and Walsh, 1988, "The Behavior and Significance of Slow-Binding Enzyme Inhibitors", Adv. Enzymol. Relat. Areas Mol. Biol. 61:201-301.	
7C. 17.	DO	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.	
ત્વ. તા.	DP	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.	
		CXC (02) (02)	_

Substitute for form 1449B/PTO

Sheet _

INFORMATION DISCLOSURE

(use as many sheets as necessary)

of

STATEMENT BY APPLICANT

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it di

4

Complete if Known

Application Number 10/010,720

Filing Date November 13, 2001

First Named Inventor Walke

Group Art Unit 1845 1652

Examiner Name - Not Yet Assigned Monship Out Attorney Docket Number LEX-0382-USA

-							
1		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
	kaminer itials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²			
4	. 16.	DQ	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.				
7	و. ٦٩ .	DR	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.				
76	2.16.	DS	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.				
		DT	Ripka, 1988, "Computers picture the perfect drug", New Scientist 16:54-57.				
7	e. 16.	DU	Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794.				
1	6.16.	DV	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.				
,	e.14.	DW	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.				
-	€. H.	DX	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.				
		DY	Songyang et al, 1993, "SH2 Domains Recognize Specific Phosphopeptide Sequences", Cell 72:767-778.				
4	2 ه.	DZ	Stein et al, 1988, "Physiochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.				
יז	٠.16.	EA	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.				
14	,	ЕВ	Takamatsu et al, 1987, "Expression of bacterial chloramphenicol acetyltransferase gene in tobacco plants mediated by TMV-RNA", EMBO Journal 6(2):307-311.				
'nς	. H.	EC	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.				
Ļ	€.14.	ED	Thompson et al, 1989, "Germ Line Transmission and Expression of a Corrected HPRT Gene Produced by Gene Targeting in Embryonic Stem Cells", Cell 56:313-321.	g			
10	. te	EE	Van Der Putten et al, 1985, "Efficient insertion of genes into the mouse germ line via retroviral vectors", Proc. Natl. Acad. Sci. USA 82:6148-6152.				
70	ે.ભ.	EF	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.				
16	2.18.	EG	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.				
_	٠, ۴٠	EH	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232.				
Г	۹.۳.	EI	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.				
j-1	c. re.	EJ	Wilson et al, 2001, "Human Hypertension Caused by Mutations in WNK Kinases", Science 293:1107-1112.				
_	.12.	EK	Williams and Cole, 2001, "Kinase chips hit the proteomics era", TRENDS in Biochemical Sciences 26(5):271-273.	ヿ			

Examiner Signature	12 Pronship	Date C nsidered	9/27/04

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.